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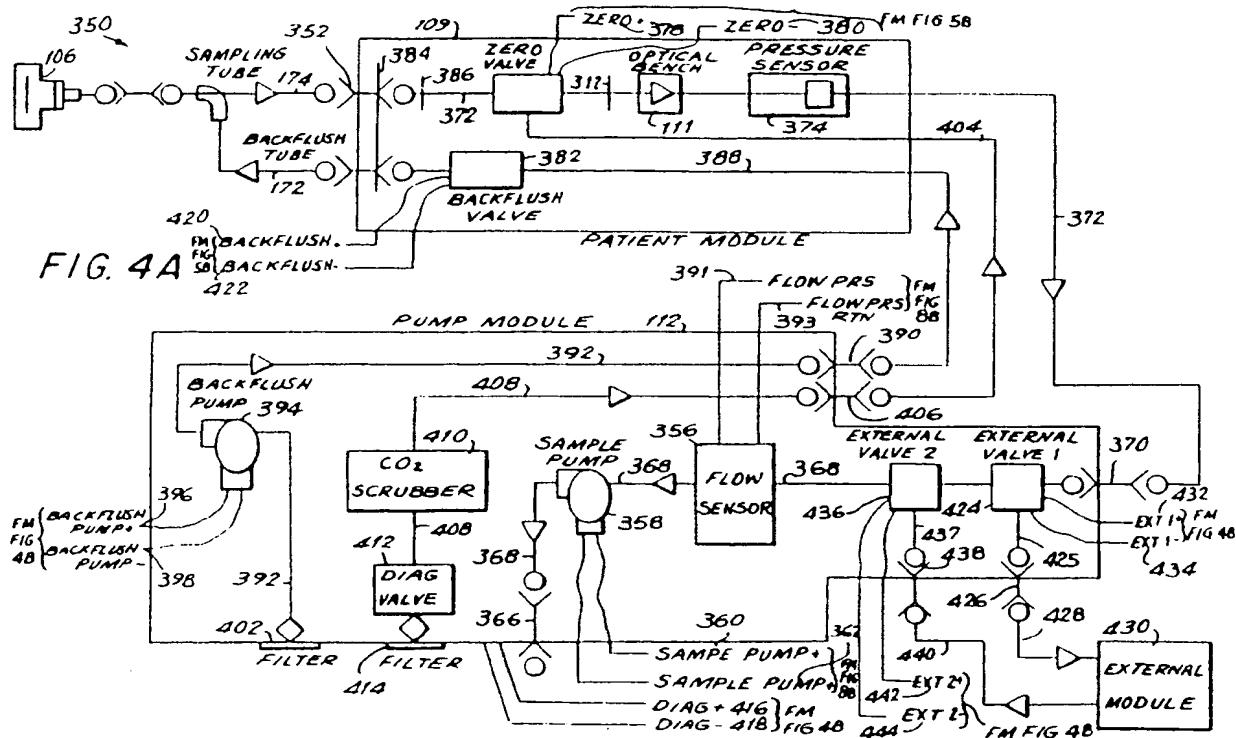
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(54) Improved multichannel gas analyzer and method of use.

(57) A system for backflushing an inlet filter in an airway adapter in a gas sampling system, the system having a sample conduit for transporting there-through a sample gas stream from the airway adaptor to a gas analyzing means, with the sample gas stream passing through the inlet filter in a first direction to enter the sample conduit,

comprising a backflush conduit with means connected to the pressure side of a fluid pumping means and the airway adapter, and the fluid pumping means for causing a fluid flow in the backflush conduit from the fluid pumping means to the airway adapter and through the inlet filter in a second direction that is opposite the first direction.

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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|-------------------|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.4) |
| Y | WO-A-86 02820 (ANDROS ANALYZERS) * page 3, line 5 - line 28; figures 1-3 * --- | 1,2 | G01N1/24 A61B5/08 B01D46/04 |
| Y | US-A-3 705 478 (VANELDIK ET AL.) * column 1, line 11 - line 47 * * column 4, line 25 - line 43; figure 1 * * column 5, line 2 - line 15 * --- | 1,2 | G01N21/35 A61B5/097 A61M16/08 G01N33/497 |
| A | US-A-4 558 708 (LABUDA ET AL.) * column 5, line 52 - column 6, line 35; figures * --- | 1 | |
| A | US-A-4 392 387 (NGK INSULATORS) * column 1, line 22 - line 41 * * column 2, line 49 - line 60; figure * * column 3, line 58 - column 4, line 33 * --- | 1 | |
| A | EP-A-0 108 552 (TOSHIBA) * page 1, line 4 - line 17 * * page 5, line 13 - page 6, line 16; figures 6-7 * --- | 1 | |
| A | EP-A-0 095 802 (CENTRE DE RECHERCHES METALLURGIQUES) * page 6, line 18 - page 7, line 6; figure 1 * --- | 1 | A61B A61M G01N |
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| A | GB-A-2 064 324 (GARBE) * page 2, line 43 - line 48; figures 7A-7B * | 2,4 | |
| The present search report has been drawn up for all claims | | | |
| Place of search | Date of completion of the search | Examiner | |
| THE HAGUE | 16 May 1994 | Hocquet, A | |
| CATEGORY OF CITED DOCUMENTS | | | |
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